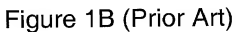


Figure 1A (Prior Art)



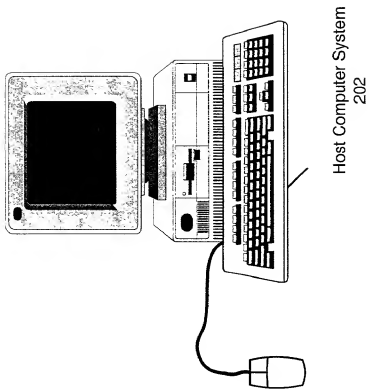


Figure 2

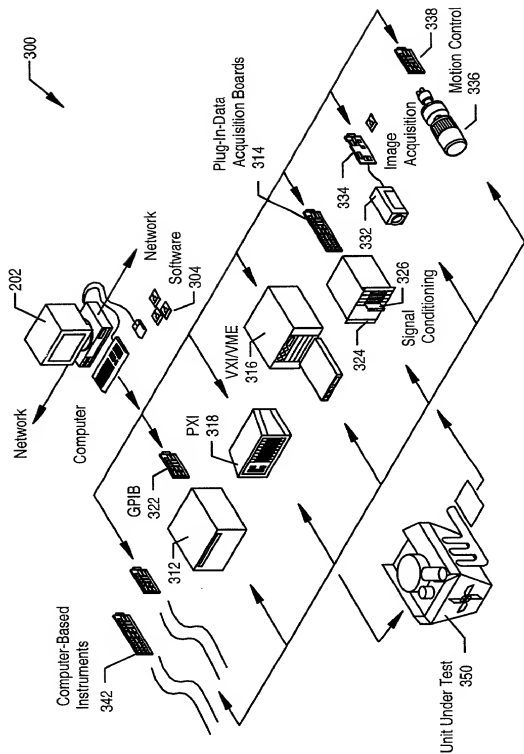


FIG. 3A

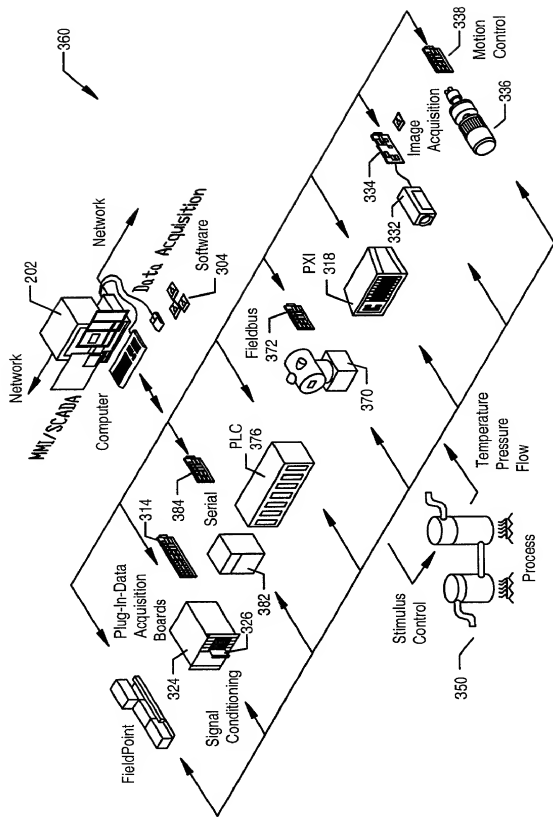


FIG. 3B

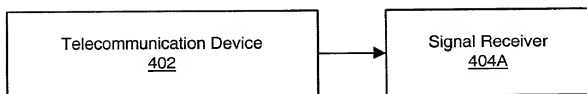


Figure 4A

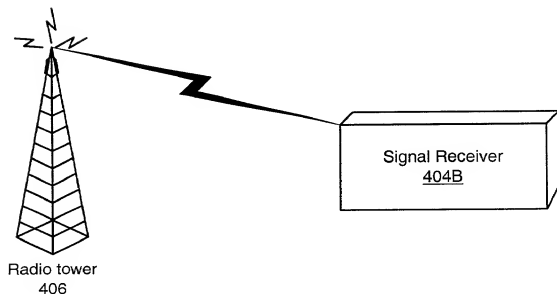


Figure 4B

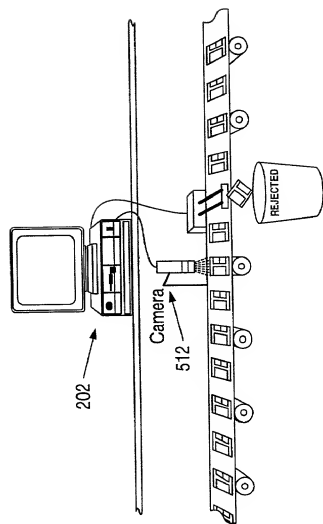


Figure 5

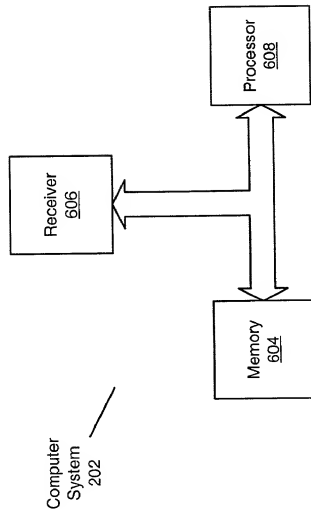


Figure 6

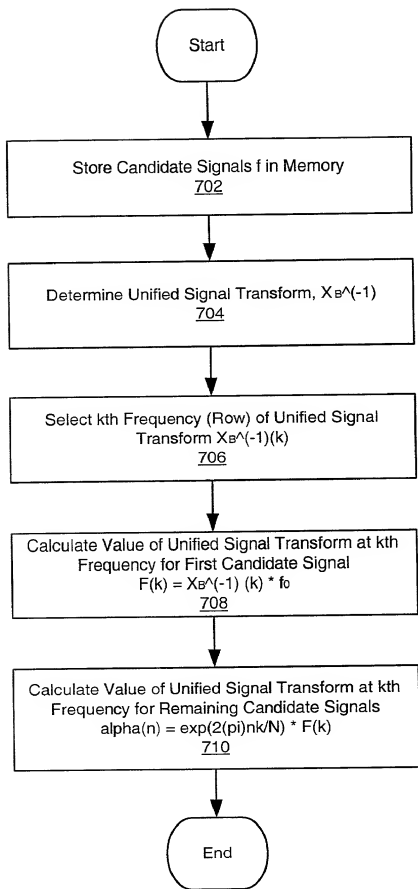


Figure 7A

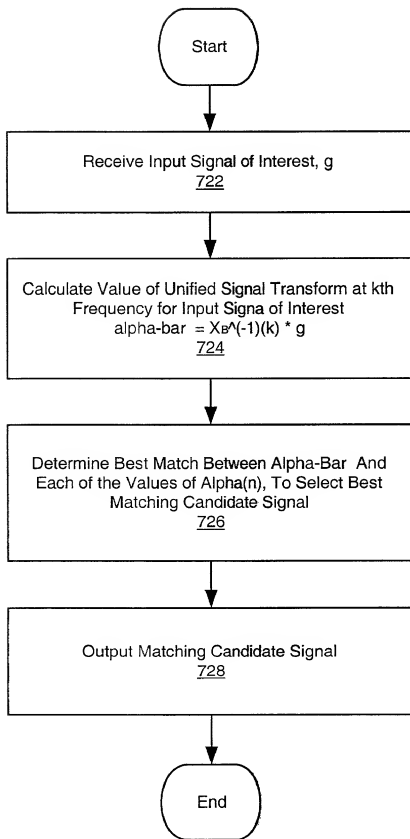


Figure 7B

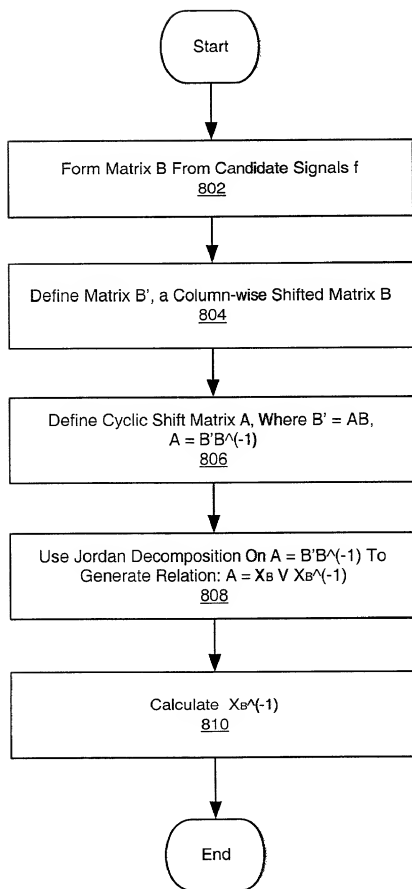
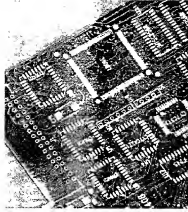
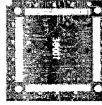


Figure 8



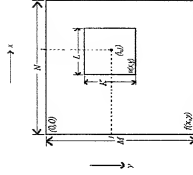
Test Image /
902

Figure 9A



Template
Image, It
904

Figure 9B



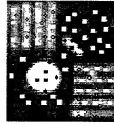
Classic Correlation
906

Figure 9C
(Prior Art)

102170-25005Z60



Reference Pattern
1002



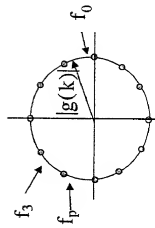
Sampled Pattern
1004



Edges Information
1006

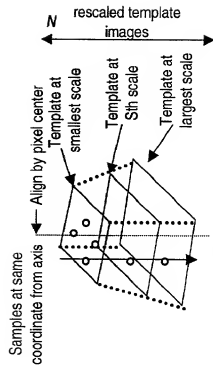
Shift Invariant Pattern Matching

Figure 10



UST Circle
1102

Figure 11A



Pattern Matching Sampling
Strategy
1104

Figure 11B